

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A position guarantee server, comprising:
 1. a communication section that receives from a positioning terminal transmission data including encoded data of a positioning code and encoded data of a carrier wave from a positioning satellite by using an identification code of the positioning terminal itself;
 2. a decoding section that stores the identification code of the positioning terminal and decodes the transmission data by using the identification code in order to prevent false transmission of data sent from a false terminal;
 3. a position computing section that computes a position and time of the positioning terminal based on the positioning code decoded and the encoded carrier wave decoded by the decoding section in order to prevent false transmission of data from a true terminal; and
 4. a certificate generating section that generates a document on position and time information based on a received signal corresponding to the identification code of the positioning terminal that is obtained by the position computing section,
wherein the certificate generating section, upon receipt of a position guarantee request made from a user terminal, certifies the position information by the position computing section.
2. (Previously Presented) The position guarantee server of claim 1, wherein the communication section receives position information of a device located at another position and time information, and wherein the certificate generating section certifies the position information and one of information about the device indicating the another position and the time information.
3. (Previously Presented) The position guarantee server of claim 1 further comprising:
 1. a correction information receiving section that receives correction information of the position information from the positioning satellite,
wherein the communication section receives quality information about positioning accuracy from the positioning terminal, and
 2. wherein the position computing section computes the position of the positioning terminal further based on one of the correction information and the quality information.

4. (Original) The position guarantee server of claim 1, further comprising:
 - a receiving section that receives a position signal indicating a position of the positioning satellite; and
 - a signal accumulating section that stores the position signal received by the receiving section,

wherein the position computing section judges the transmission data of the positioning terminal by using the position signal stored, and computes a position of the positioning terminal on determining authenticity of the transmission data from the positioning terminal.
5. (Currently Amended) A position guarantee system, comprising:
 - a positioning terminal that encodes a positioning code and a carrier wave from a positioning satellite by using an identification code of the positioning terminal itself, and transmits them as transmission data; and
 - a server,

the server, including:
 - a decoding section that stores the identification code of the positioning terminal, receives and decodes the transmission data in order to prevent false transmission of data sent from a false terminal;
 - a position computing section that computes a position and time of the positioning terminal based on the positioning code decoded and the encoded carrier wave decoded in order to prevent false transmission of data sent from a true terminal; and
 - a certificate generating section that generates a document on position and time information based on a received signal corresponding to the identification code of the positioning terminal information that is obtained by the position computation,

wherein the server, upon receipt of a position guarantee request from a user terminal, certifies the position information by using the position computation.

6. (Previously Presented) The position guarantee system of claim 5, wherein the positioning terminal secures against tampering a portion that receives the positioning code and the carrier wave from the positioning satellite and a portion that encodes the signal received by using an identification code of the positioning terminal itself.

7. (Original) The position guarantee system of claim 5, wherein the server further includes:
a receiving section that receives a position signal indicating a position of the positioning satellite; and

a signal accumulating section that stores the position signal received by the receiving section,

wherein the position computing section judges the transmission data from the positioning terminal by using the position signal stored, and computes a position of the positioning terminal on determining authenticity of the transmission data from the positioning terminal.

8. (Currently Amended) A position guarantee method, comprising the steps of:
encoding a positioning code and a carrier wave from a positioning satellite by using an identification code of the positioning terminal itself, and transmitting them as transmission data;
utilizing a server for receiving the transmission data and decoding the transmission data by using the identification code of the positioning terminal stored in order to prevent false transmission of data sent from a false terminal;

computing a position and time of the positioning terminal based on the positioning code decoded and the encoded carrier wave decoded as a position computing step in order to prevent false transmission of data sent from a true terminal; and

certifying position and time information based on a received signal corresponding to the identification code of the positioning terminal information obtained by the position computing step in response to a position guarantee request as a certificate generating step.

9. (Previously Presented) The position guarantee method of claim 8, wherein the position computing step includes acquiring at least one of position information about a device located at another position and time information, computing the position further based on the position information on the device, and adding to the position information of the positioning terminal at least one of the position information and the time information.

10. (Original) The position guarantee method of claim 8, further comprising the step of:
removing an unwanted signal from the transmission data received as a signal removing step,

wherein the position computing step includes computing the position of the positioning terminal by using the transmission data decoded that has been processed through the signal removing step.

11. (Previously Presented) The position guarantee method of claim 8, wherein the position computing step includes acquiring at least one of correction information for the position information from the positioning satellite, quality information about positioning accuracy of the positioning satellite, and position information of an electronic reference point; judging authenticity of the transmission data from the positioning terminal based on acquired information; and computing the position of the positioning terminal further based on acquired information when the authenticity of the transmission data from the positioning terminal is confirmed.

12. (Currently Amended) The position guarantee method of claim 8, further comprising the steps of:

the server;

receiving a position signal indicating a position of the positioning satellite as a receiving step, and

storing the position signal received by the receiving step by the server as a signal accumulating step,

wherein the position computing step includes judging authenticity of the transmission data from the positioning terminal by using the position signal stored by the signal accumulating step, and computing the position of the positioning terminal on determining the authenticity of the transmission data from the positioning terminal.